

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method for tracing an instrumented application, comprising:
loading the instrumented application into a kernel level to obtain a corresponding instrumented process;
registering a helper action with a tracing framework, wherein the helper action is for obtaining a stack trace of the instrumented process;
tracing the instrumented process using the tracing framework, wherein tracing comprises triggering a probe in the instrumented process;
determining whether the helper action is associated with the probe; and
performing the helper action to obtain the stack trace of the instrumented process [[if]] when the helper action is associated with the probe.
2. (Currently Amended) The method of claim 1, further comprising:
obtaining [[a]] the helper action associated with the instrumented application.
3. (Original) The method of claim 2, further comprising:
linking the helper action to an initialization file associated with the instrumented application.
4. (Currently Amended) The method of claim 3, wherein loading the instrumented application comprises:
triggering a hook in the initialization file to load the helper action into the kernel-level for use by the tracing framework.
5. (Original) The method of claim 4, wherein the helper action is stored in a process helper data structure.
6. (Original) The method of claim 5, wherein the process helper data structure is associated with the instrumented process.

7. (Currently Amended) The method of claim 1, further comprising:
generating ~~[[a]]~~ the helper action associated with the instrumented application.
8. (Original) The method of claim 5, further comprising:
linking the helper action to an initialization file associated with the instrumented application.
9. (Cancelled)
10. (Original) The method of claim 9, wherein the helper action is stored in a process helper data structure.
11. (Original) The method of claim 10, wherein the process helper data structure is associated with the instrumented process.
12. (Original) The method of claim 1, wherein performing the action associated with the probe further comprises:
performing a probe action associated with the probe.
13. (Currently Amended) A computer system, comprising:
a processor configured to:
execute an instrumented process corresponding to an instrumented application
comprises comprising a probe, wherein the probe is associated with an action;
execute a helper action associated with the instrumented application; and
execute a tracing framework configured to trace ~~[[an]]~~ the instrumented process
~~corresponding to the instrumented application and to execute the~~ to perform
the helper action to obtain a stack trace for the instrumented process ~~[[if]]~~
when the action is associated with the helper action, and
a storage device configured to store the stack trace of the instrumented process.
14. (Original) The system of claim 13, wherein the helper action is generated using implementation specific details associated with the instrumented application.

15. (Original) The system of claim 13, wherein the implementation specific details comprise at least one selected from the group consisting of an instrumented application data structure and an instrumented application algorithm.
16. (Original) The system of claim 15, wherein the instrumented application data structure comprises an application stack.
17. (Original) The system of claim 16, wherein the application stack comprises at least one selected from the group consisting of an interpreter stack and a virtual machine stack.
18. (Original) The system of claim 13, wherein the action is a generic tracing action.
19. (Original) The system of claim 18, wherein only the helper action is executed if the helper action and the generic tracing action are associated with the probe.
20. (Original) The system of claim 18, wherein the helper action and the generic tracing action are executed if the helper action and the generic tracing action are associated with the probe.
21. (Original) The system of claim 13, wherein the helper action is stored in a process helper data structure.
22. (Original) The system of claim 21, wherein the process helper data structure is associated with instrumented process.

23. (Currently Amended) A network system having a plurality of nodes, comprising:

a processor configured to:

execute an instrumented process corresponding to an instrumented application

comprising a probe, wherein the probe is associated with an action;

execute a helper action associated with the instrumented application; and

execute a tracing framework configured to trace ~~[[an]]~~ the instrumented process

~~corresponding to the instrumented application~~ and to ~~execute~~ perform the

helper action to obtain a stack trace for the instrumented process ~~[[if]]~~ when

the action is associated with the helper action, and ~~[[;]]~~

a storage device configured to store the stack trace of the instrumented process,

wherein the instrumented application executes on any one of the plurality of nodes,

wherein the helper action is located on any one of the plurality of nodes, and

wherein the tracing framework executes on any one of the plurality of nodes.